

correctSEQ.txt SEQUENCE LISTING

<110> The Procter & Gamble Company <120> Composition Comprising a Mouse HRt Protein Human Interacting Partner Protein Complex <130> 9423 <140> us 10/712,629 <141> 2003-11-13 <160> 20 <170> PatentIn version 3.3 <210> 660 <211> <212> DNA Homo Sapiens Keratin 5 <213> <400> gccctcctgg aggtatccaa gaggtcactg tcaaccagag tctcctgact cccctcaacc 60 tgcaaatcga ccccagcatc cagagggtga ggaccgagga gcgcgagcag atcaagaccc 120 tcaacaataa qtttqcctcc ttcatcgaca aggtgcggtt cctggagcag cagaacaagg 180 ttctggacac caagtggacc ctgctgcagg agcagggcac caagaccgtg aggcagaacc 240 tggagccgtt gttcgagcag tacatcaaca acctcaggag gcagctggac agcatcgtgg 300 gggaacgggg ccgcctggac tcagagctaa gaaacatgca ggacctggtg gaagacttca 360 420 agaacaagta tgaggatgaa atcaacaagc gtaccactgc tgagaatgag tttgtgatgc tgaagaagga tgtagatgct gcctacatga acaaggtgga gctggaggcc aaggttgatg 480 540 cactgatgga tgagattaac ttcatgaaga tgttctttga tgcggagctg tcccagatgc agacgcatgt ctctgacacc tcagtggtcc tctccatgga caacaaccgc aacctggacc 600 660 tggatagcat catcgctgag gtcaaggccc agtatgagga gattgccaac cgcagccgga <210> 2 <211> 746 DNA Homo Sapiens Ubiquitous Receptor <213> aagattcgga aacagcagca gcaggagtca cagtcacagt cgcagtcacc tgtggggccg 60 120 caqqqcaqca qcaqctcaqc ctctggqcct ggggcttccc ctggtggatc tgaggcaggc agccagggct ccggggaagg cgagggtgtc cagctaacag cggctcaaga actaatgatc 180 240 cagcagttgg tggcggccca actgcagtgc aacaaacgct ccttctccga ccagcccaaa 300 gtcacgccct ggcccctggg cgcagacccc cagtcccgag atgcccgcca gcaacgcttt 360 gcccacttca cggagctggc catcatctca gtccaggaga tcgtggactt cgctaagcaa

·	
correctSEQ.txt gtgcctggtt tcctgcagct gggccgggag gaccagatcg ccctcctgaa ggcatccact	420
atcgagatca tgctgctaga gacagccagg cgctacaacc acgagacaga gtgtatcacc	480
ttcttgagga cttcacctac agcaaggacg acttccaccg tgcaggcctg caggtggagt	540
tcatcaaccc catcttcgag ttctcgcggg ccatgcggcg gctgggcctg gacgacgctg	600
agtacgccct gctcatcgcc atcaacatct tctcggccga ccggcccaac gtgcaggagc	660
cgggccgcgt ggaggcgttg cagcagccct acgtggaggc gctgctgtcc tacacgcgca	720
tcaagaggcc gcaggaccag ctgcgc	746
<210> 3 <211> 705 <212> DNA <213> Homo Sapiens Protein Inhibitor of Activated STAT-1	
<400> 3 gcggaactaa agcaaatggt tatgagcctt agagtttctg aactccaagt actgttgggc	60
tacgccggga gaaacaagca cggacgcaaa cacgaacttc tcacaaaagc cctgcatttg	120
ctaaaggctg gctgtagtcc tgctgtgcaa atgaaaatta aggaactcta taggcggcgg	180
ttcccacaga aaatcatgac gcctgcagac ttgtccatcc ccaacgtaca ttcaagtcct	240
atgccagcaa ctttgtctcc atctaccatt ccacaactca cttacgatgg tcaccctgca	300
tcatcgccat tactccctgt ttctcttctg ggacctaaac atgaactgga actcccacat	360
cttacatcag ctcttcaccc agtccatccg gatataaaac ttcaaaaatt accattttat	420
gatttactgg atgaactgat aaaacccacc agtctagcat cagacaacag tcagcgcttt	480
cgagaaacct gttttgcatt tgccttgaca ccacaacaag tgcagcaaat cagtagttcc	540
atggatattt ctgggaccaa atgtgacttc acagtacagg tccagttaag gttttgttta	600
tcagaaacca gttgtccaca agaagatcac ttcccaccca atctttgtgt gaaagtgaat	660
acaaaacctt gcagccttcc aggttacctt ccacctacaa aaaat	705
<210> 4 <211> 792 <212> DNA <213> Homo Sapiens Similar to Stromal Antigen 2	
<400> 4 gagagtgctc tgattgaaat aatgctttgt accattagac aagcggctga atgtcatcct	60
cccgtgggaa gagggacagg aaaaagggtg cttacagcaa aggagaagaa gacacagttg	120
gatgatagga caaaaatcac tgagcttttt gccgtggccc ttcctcagtt attagcaaaa	180
tactctgtag atgcagaaaa ggtgactaac ttgttgcagt tgcctcagta ctttgatttg	240
gaaatatata ccactggacg attagaaaag catttggatg ccttattgcg acagatccgg	300
aatattgtag agaagcacac agatacagat gttttggaag catgttctaa aacttaccat Page 2	360

gcactctgta atgaagagtt cacaatcttc aacagagtag atatttcaag aagtcaactg	420
atagatgaat tggcagataa atttaaccgg cttcttgaag attttctgca agagggtgaa	480
gaacctgatg aagatgatgc atatcaggta ttgtcaacat tgaagaggat cactgctttt	540
cataatgccc atgacctttc aaagtgggat ttatttgctt gtaattacaa actcttgaaa	600
actggaatcg aaaatggaga catgcctgag cagattgtta ttcacgcact gcagtgtact	660
cactatgtaa tcctttggca acttgctaag ataactgaaa gcagctctac aaaggaggac	720
ttgctgcgtt taaagaaaca aatgagagta ttttgtcaga tatgtcaaca ttacctgacc	780
aacgtgaata ct	792
<210> 5 <211> 747 <212> DNA <213> Homo Sapiens Nucleoporin 160 Kda	
<400> 5 actgaagcag gtgatgactg gaaaagtcag gctactctaa ggacatgtat tttcaaacat	60
catttggatt tgggtcacaa tagccaagca tatgaagcct taacccaaat tcctgattcc	120
agcaggcaat tagattgttt acggcagttg gtggtagttc tttgtgaacg ctcacagcta	180
caggatcttg tagagtttcc ctatgtgaat ctgcataatg aggttgtggg aataattgag	240
tcacgtgcta gagctgtgga ccttatgact cacaattact atgaacttct gtatgccttt	300
cacatctatc gccacaatta ccgcaaggct ggcacagtga tgtttgagta tggaatgcgg	360
cttggcagag aagttcgaac tctccgggga cttgagaaac aaggcaactg ttatctggct	420
gctctcaatt gtttacgact tattcgtcca gaatatgcgt ggattgtgca gccagtgtct	480
ggtgcagtgt atgatcgccc tggagcatcc cctaagagga atcatgatgg agaatgcaca	540
gctgccccca caaatcgaca aattgaaatc ctggaactgg aagatctgga gaaagagtgt	600
tccttggctc gcatccgcct cactttggct cagcatgatc catcagcggt tgcagttgct	660
ggaagttcat cagcagagga aatggtcact ctcttggttc aggcgggcct ctttgacact	720
gccatatcac tctgtcagac ttttaag	747
<210> 6 <211> 683 <212> DNA <213> Homo Sapiens Retinoic Acid Receptor Gamma-1	
<400> 6 cctgacccag tatgtagaag ccagtctctg caggcggcca gcgggacttt tggaggccca	60
gtgggcaggc caggcagggc gggtacggag cctcccaggc tggggcagtg ggcatgggca	120
ggggctgtgg ctgaagacct cgcccgccca ctgcagaccc caggggactc tcacaccgca	180

•	
correctSEQ.txt gctgccatgg ccaccaataa ggagcgactc tttgcggctg gtgccctggg gcctggatct	240
ggctacccag gggcaggttt ccccttcgcc ttcccagggg cactcagggg gtctccgcct	300
ttcgagatgc tgagccctag cttccggggc ctgggccagc ctgacctccc caaggagatg	360
gcctctctgt cggtggagac acagagcacc agctcagagg agatggtgcc cagctcgccc	420
tcgcccctc cgcctcctcg ggtctacaag ccatgcttcg tgtgcaatga caagtcctct	480
ggctaccact atggggtcag ctcttgtgaa ggctgcaagg gcttctttcg ccgaagcatc	540
cagaagaaca tggtgtacac gtgtcaccgc gacaaaaact gtatcatcaa caaggtgacc	600
aggaatcgct gccagtactg ccggctacag aagtgcttcg aagtgggcat gtccaaggaa	660
gctgtgcgaa atgaccggaa caa	683
<210> 7 <211> 744 <212> DNA <213> Homo Sapiens Thyroid Hormone Receptor Alpha <400> 7	
gtggagtgtg ggtcagaccc agaggagaac agtgccaggt caccagatgg aaagcgaaaa	60
agaaagaacg gccaatgttc cctgaaaacc agcatgtcag ggtatatccc tagttacctg	120
gacaaagacg agcagtgtgt cgtgtgtggg gacaaggcaa ctggttatca ctaccgctgt	180
atcacttgtg agggctgcaa gggcttcttt cgccgcacaa tccagaagaa cctccatccc	` 240
acctattcct gcaaatatga cagctgctgt gtcattgaca agatcacccg caatcagtgc	300
cagctgtgcc gcttcaagaa gtgcatcgcc gtgggcatgg ccatggactt ggttctagat	360
gactcgaagc gggtggccaa gcgtaagctg attgagcaga accgggagcg gcggcggaag	420
gaggagatga tccgatcact gcagcagcga ccagagccca ctcctgaaga gtgggatctg	480
atccacattg ccacagaggc ccatcgcagc accaatgccc agggcagcca ttggaaacag	540
aggcggaaat tcctgcccga tgacattggc cagtcaccca ttgtctccat gccggacgga	600
gacaaggtgg acctggaagc cttcagcgag tttaccaaga tcatcacccc ggccatcacc	660
cgtgtggtgg actttgccaa aaaactgccc atgttctccg agctgccttg cgaagaccag	720
atcatcctcc tgaaggggtg ctgc	744
<210> 8 <211> 719 <212> DNA <213> Homo Sapiens Annexin A1 <400> 8	
gcacagcgtc aacagatcaa agcagcatat ctccaggaaa caggaaagcc cctggatgaa	60
acactgaaga aagcccttac aggtcacctt gaggaggttg ttttagctct gctaaaaact	120
ccagcgcaat ttgatgctga tgaacttcgt gctgccatga agggccttgg aactgatgaa Page 4	180

gatactctaa ttg	agatttt	ggcatcaaga	actaacaaag	aaatcagaga	cattaacagg	240
gtctacagag agg	aactgaa	gagagatctg	gccaaagaca	taacctcaga	cacatctgga	300
gattttcgga acg	ctttgct	ttctcttgct	aagggtgacc	gatctgagga	ctttggtgtg	360
aatgaagact tgg	ctgattc	agatgccagg	gccttgtatg	aagcaggaga	aaggagaaag	420
gggacagacg taa	acgtgtt	caataccatc	cttaccacca	gaagctatcc	acaacttcgc	480
agagtgtttc aga	aatacac	caagtacagt	aagcatgaca	tgaacaaagt	tctggacctg	540
gagttgaaag gtg	acattga	gaaatgcctc	acagctatcg	tgaagtgcgc	cacaagcaaa	600
ccagctttct ttg	cagagaa	gcttcatcaa	gccatgaaag	gtgttggaac	tcgccataag	660
gcattgatca gga	ttatggt	ttcccgttct	gaaattgaca	tgaatgatat	caaagcatt	719
	piens HI	C Protein 1	csoform P32	and Isoform	1 40	
<400> 9 aagccctcgc tcc	cgggccc	gtggggccgc	agcgcgtggc	cgaggcgggc	ggcggccagc	60
tgggctccac agc	ccaggga	aaatgtgata	aagacaatac	tgagaaagat	ataactcaag	120
ctaccaatag cca	cttcaca	catggagaga	tgcaagacca	gtccatttgg	ggaaatcctt	180
cggatggtga act	cattaga	acccaacctc	agcgcttgcc	tcagcttcag	acttcagcac	240
aggtgccaag tgg	tgaggaa	ataggcaaga	taaagaacgg	ccacacaggt	ctgagcaatg	300
gaaatggaat tca	ccacggg	gcc				323
<210> 10 <211> 610 <212> DNA <213> Homo Sa	piens Ir	nsulin-like	Growth Fact	tor Binding	Domain Protei	n 6
<400> 10 ccaggaggcg cct	tggcgcg	gtgcccaggc	tgcgggcaag	gggtgcaggc	gggttgtcca	60
gggggctgcg tgg	aggagga	ggatgggggg	tcgccagccg	agggctgcgc	ggaagctgag	120
ggctgtctca gga						180
ctgcagtgcc atc	cgcccaa	ggacgacgag	gcgcctttgc	gggcgctgct	gctcggccga	240
ggccgctgcc ttc	cggcccg	cgcgcctgct	gttgcagagg	agaatcctaa	ggagagtaaa	300
ccccaagcag gca	ctgcccg	cccacaggat	gtgaaccgca	gagaccaaca	gaggaatcca	360
ggcacctcta cca	cgccctc	ccagcccaat	tctgcgggtg	tccaagacac	tgagatgggc	420
ccatgccgta gac	atctgga	ctcagtgctg	cagcaactcc	agactgaggt	ctaccgaggg	480
gctcaaacac tct	acgtgcc	caattgtgac	catcgaggct	tctaccggaa	gcggcagtgc	540

		•				
cgctcctccc ctgccagggt	aggggcagcg	ccgaggtccc	correctSE tgctggtgtg		gggcaagtcc	600 610
<210> 11 <211> 718 <212> DNA <213> Homo) Sapiens Ir	nner Membran	ne Protein,	Mitochondr	ial	
<400> 11 aaacccacac	ctgcactttc	agaagaagca	tcctcatctt	ctataaggga	gcgaccacct	60
•		tgcacaacag				120
		tgctctgagg				180
gcagctcaga	atgctgcggt	ccaggctgtc	aatgcacact	ccaacatatt	gaaagccgcc	240
atggacaatt	ctgagattgc	aggcgagaag	aaatctgctc	agtggcgcac	agtggagggt	300
gcattgaagg	aacgcagaaa	ggcagtagat	gaagctgccg	atgcccttct	caaagccaaa	360
gaagagttag	agaagatgaa	aagtgtgatt	gaaaatgcaa	agaaaaaaga	ggttgctggg	420
gccaagcctc	atataactgc	tgcagagggt	aaacttcaca	acatgatagt	tgatctggat	480
aatgtggtca	aaaaggtcca	agcagctcag	tctgaggcta	aggttgtatc	tcagtatcat	540
gagctggtgg	tccaagctcg	ggatgacttt	aaacgagagc	tggacagtat	tactccagaa	600
gtccttcctg	ggtggaaagg	aatgagtgtt	tcagacttag	ctgacaagct	ctctactgat	660
gatctgaact	ccctcattgc	tcatgcacat	cgtcgtattg	atcagctgaa	cagagagc	718
	o Sapiens Er	ndoplasmic ı	reticulum th	nioredoxin s	superfamily	member
<400> 12 ggaccgtctg	ctgggactcc	ggccctgcgt	ccgctcagcc	ccgtggcccc	gcgcacctac	60
tgccatggag	acgcggcctc	gtctcggggc	cacctgtttg	ctgggcttca	gtttcctgct	120
cctcgtcatc	tcttctgatg	gacataatgg	gcttggaaag	ggttttggag	atcatattca	180
ttggaggaca	ctggaagatg	ggaagaaaga	agcagctgcc	agtggactgc	ccctgatggt	240
gattattcat	aaatcctggt	gtggagcttg	caaagctcta	aagcccaaat	ttgcagaatc	300
tacggaaatt	tcagaactct	cccataattt	tgttatggta	aatcttgagg	atgaagagga	360
acccaaagat	gaagatttca	gccctgacgg	gggttatatt	ccacgaatcc	tttttctgga	420
tcccagtggc	aaggtgcatc	ctgaaatcat	caatgagaat	ggaaacccca	gctacaagta	480
tttttatgtc	agtgccgagc	aagttgttca	ggggatgaag	gaagctcagg	aaaggctgac	540
gggtgatgcc	ttcagaaaga	aacatcttga	agatgaattg	taacatgaat	gtgccccttc	600
tttcatcaga	gttagtgttc	tggaaggaaa	gcagcaggga Page		gaggaatcat	660

ctagaacaat taagccgacc aggaaacctc attcctacct acactggaag gagcgctctc	720
<210> 13 <211> 779 <212> DNA <213> Homo Sapiens Protein Inhibitor of Activated STAT-3	
<400> 13 cctgtaggct ccctggtcc tctagctccc attcccccaa cgctgttggc ccctggcacc	60
ctgctgggcc ccaagcgtga ggtggacatg caccccctc tgccccagcc tgtgcaccct	120
gatgtcacca tgaaaccatt gcccttctat gaagtctatg gggagctcat ccggcccacc	180
accettgcat ccaettetag ccageggttt gaggaagege aetttaeett tgeeeteaca	240
ccccagcaag tgcagcagat tcttacatcc agagaggttc tgccaggagc caaatgtgat	300
tataccatac aggtgcagct aaggttctgt ctctgtgaga ccagctgccc ccaggaagat	360
tattttcccc ccaacctctt tgtcaaggtc aatgggaaac tgtgccccct gccgggttac	420
cttccccaa ccaagaatgg ggccgagccc aagaggccca gccgccccat caacatcaca	480
cccctggctc gactctcagc cactgttccc aacaccattg tggtcaattg gtcatctgag	540
ttcggacgga attactcctt gtctgtgtac ctggtgaggc agttgactgc aggaaccctt	600
ctacaaaaac tcagagcaaa gggtatccgg aacccagacc actcgcgggc actgatcaag	660
gagaaattga ctgctgaccc tgacagtgag gtggccacta caagtctccg ggtgtcactc	720
atgtgcccgc tagggaagat gcgcctgact gtcccttgtc gtgccctcac ctgcgccca	779
<210> 14 <211> 738 <212> DNA <213> Homo Sapiens DEAD box polypeptide 3	
<400> 14 ggcgaggctt tgagggccat gaaggaaaat ggaaggtatg ggcgccgcaa acaataccca	60
atctccttgg tattagcacc aacgagagag ttggcagtac agatctacga ggaagccaga	120
aaattttcat accgatctag agttcgtcct tgcgtggttt atggtggtgc cgatattggt	180
cagcagattc gagacttgga acgtggatgc catttgttag tagccactcc aggacgtcta	240
gtggatatga tggaaagagg aaagattgga ttagactttt gcaaatactt ggtgttagat	300
gaagctgatc ggatgttgga tatggggttt gagcctcaga ttcgtagaat agtcgaacaa	360
gatactatgc ctccaaaggg tgtccgccac actatgatgt ttagtgctac ttttcctaag	420
gaaatacaga tgctggctcg tgatttctta gatgaatata tcttcttggc tgtaggaaga	480
gttggctcta cctctgaaaa catcacacag aaagtagttt gggtggaaga atcagacaaa	540
cggtcatttc tgcttgacct cctaaatgca acaggcaagg attcactgac cttagtgttt	600

•		•				
gtggagacca	aaaagggtgc	agattctcta	correctSE gaggatttct		aggatacgca	660
	tccatggaga					720
		cegeeeeug	agggacagag	uuguggeeee	ccaccagecc	738
cgctcaggaa	aaageeea					750
<210> 15 <211> 450 <212> DNA <213> Home	o Sapiens Dr	by-30 Like R	Protein			
<400> 15	actctgagta	contittaca	gacaacgttg	agagaatagt	agaaaatgag	60
	cagaaaagtc					120
						180
-	atcagacagt					240
	caaatcccat					
	gaaactgact					300
_	agaggcagct					360
	caacagaccc		attgcagaag	ataacatatt	tcccttattt	420
tgatttaatc	accataaacc	atacctattt				450
<210> 16 <211> 126 <212> DNA <213> Mus <400> 16	9 Musculus Vi	itamin D Red	ceptor			
	tggcagccag	cacctccctg	cctgaccctg	gtgactttga	ccggaatgtg	60
cctcggatct	gtggagtgtg	tggagaccga	gccacgggct	tccacttcaa	cgctatgacc	120
tgtgaaggct	gcaagggttt	cttcaggcgg	agcatgaagc	gcaaggccct	gttcacctgc	100
cccttcaatg	gagattgccg	catcaccaag				180
			gacaaccggc	gacactgcca	ggcctgccgg	
ctcaaacgct	gcgtggacat					240
		tggcatgatg	aaggagttca	tcctcacaga	tgaggaggtg	300
cagcgtaagc	gcgtggacat	tggcatgatg catgaagagg	aaggagttca aaggaggaag	tcctcacaga aggccttgaa	tgaggaggtg ggacagtctg	300 360
cagcgtaagc aggcccaagc	gcgtggacat gagagatgat	tggcatgatg catgaagagg gcaacagcac	aaggagttca aaggaggaag attatcgcca	tcctcacaga aggccttgaa tcctgctcga	tgaggaggtg ggacagtctg tgcccaccac	240 300 360 420
cagcgtaagc aggcccaagc aagacctacg	gcgtggacat gagagatgat tgtctgagga	tggcatgatg catgaagagg gcaacagcac tgccgacttc	aaggagttca aaggaggaag attatcgcca cgggacttcc	tcctcacaga aggccttgaa tcctgctcga ggcctccaat	tgaggaggtg ggacagtctg tgcccaccac tcgtgcagac	300 360 420 480
cagcgtaagc aggcccaagc aagacctacg gtaagtacag	gcgtggacat gagagatgat tgtctgagga accccaccta	tggcatgatg catgaagagg gcaacagcac tgccgacttc tccaaggccc	aaggagttca aaggaggaag attatcgcca cgggacttcc acactcagct	tcctcacaga aggccttgaa tcctgctcga ggcctccaat tctccggaga	tgaggaggtg ggacagtctg tgcccaccac tcgtgcagac ctcctcctca	300 360 420 480 540
cagcgtaagc aggcccaagc aagacctacg gtaagtacag aactctgatc	gcgtggacat gagagatgat tgtctgagga accccaccta ggagctattc	tggcatgatg catgaagagg gcaacagcac tgccgacttc tccaaggccc ctcactggac	aaggagttca aaggaggaag attatcgcca cgggacttcc acactcagct atgatggaac	tcctcacaga aggccttgaa tcctgctcga ggcctccaat tctccggaga cggccagctt	tgaggaggtg ggacagtctg tgcccaccac tcgtgcagac ctcctcctca ttccacgatg	240 300 360 420 480 540
cagcgtaagc aggcccaagc aagacctacg gtaagtacag aactctgatc gatctgaatg	gcgtggacat gagagatgat tgtctgagga accccaccta ggagctattc tgtacacccc	tggcatgatg catgaagagg gcaacagcac tgccgacttc tccaaggccc ctcactggac cgatgacccc	aaggagttca aaggaggaag attatcgcca cgggacttcc acactcagct atgatggaac tctgtgaccc	tcctcacaga aggccttgaa tcctgctcga ggcctccaat tctccggaga cggccagctt tggacctgtc	tgaggaggtg ggacagtctg tgcccaccac tcgtgcagac ctcctcctca ttccacgatg tccgctctcc	240 300 360 420 480 540 600
cagcgtaagc aggcccaagc aagacctacg gtaagtacag aactctgatc gatctgaatg atgctgcccc	gcgtggacat gagagatgat tgtctgagga accccaccta ggagctattc tgtacacccc aagaaggctc	tggcatgatg catgaagagg gcaacagcac tgccgacttc tccaaggccc ctcactggac cgatgacccc tcttgtcagt	aaggagttca aaggaggaag attatcgcca cgggacttcc acactcagct atgatggaac tctgtgaccc tacagcatcc	tcctcacaga aggccttgaa tcctgctcga ggcctccaat tctccggaga cggccagctt tggacctgtc aaaaggtcat	tgaggaggtg ggacagtctg tgcccaccac tcgtgcagac ctcctcctca ttccacgatg tccgctctcc cggctttgcc	180 240 300 360 420 480 540 600 720 780

tgggactgtg	gcagccaaga	ctacaaatat	gacatcactg	atgtctccag	agctgggcac	900
accctggagc	tgatcgaacc	cctcataaag	ttccaggtgg	ggctgaagaa	gctgaacctc	960
catgaggaag	aacatgtgct	gctcatggcc	atctgcattg	tctccccaga	ccgacctggg	1020
gtacaggatg	ctaagctggt	tgaagccatt	caggaccgcc	tatccaacac	actgcagacc	1080
tacatccgct	gccgccaccc	gcccccgggc	agccaccagc	tctacgccaa	gatgatccag	1140
aagctggctg	acctgcgaag	cctcaatgag	gagcactcca	aacagtaccg	ttccctctcc	1200
ttccagccgg	agaacagcat	gaagctcaca	ccccttgtgc	tagaggtgtt	cggcaatgag	1260
atctcctga						1269

<210> 17

<211> 2079

<212> DNA

<213> Nucleotide sequence of HRt corresponding to the amino acid residue 490-1182 of the C-terminal portion of HR protein

<400> 17

Val Thr Gln Cys Gln Ser Cys Val Gln Ala Ala Gly Glu Val Gly Val
1 10 15

Leu Thr Gly His Ser Gln Lys Ser Arg Arg Ser Pro Leu Glu Glu Lys 20 25 30

Gln Leu Glu Glu Glu Asp Ser Ser Ala Thr Ser Glu Glu Gly Gly 35 40 45

Gly Pro Gly Pro Glu Ala Ser Leu Asn Lys Gly Leu Ala Lys His Leu 50 60 .

Leu Ser Gly Leu Gly Asp Arg Leu Cys Arg Leu Leu Arg Lys Glu Arg 65 70 75 80

Glu Ala Leu Ala Trp Ala Gln Arg Glu Gly Gln Gly Pro Ala Met Thr 85 90 95

Glu Asp Ser Pro Gly Ile Pro His Cys Cys Ser Arg Cys His His Gly 100 105 110

Leu Phe Asn Thr His Trp Arg Cys Ser His Cys Ser His Arg Leu Cys 115 120 125

Val Ala Cys Gly Arg Ile Ala Gly Ala Gly Lys Asn Arg Glu Lys Thr 130 135 140

Gly Ser Gln Glu Gln His Thr Asp Asp Cys Ala Gln Glu Ala Gly His Page 9 145

Ala Ala Cys Ser Leu Ile Leu Thr Gln Phe Val Ser Ser Gln Ala Leu 165 Ala Glu Leu Ser Thr Val Met His Gln Ala Trp Ala Lys Phe Asp Ile Arg Gly His Cys Phe Cys Gln Val Asp Ala Arg Val Trp Ala Pro Gly
195 200 205 Asp Gly Gly Gln Gln Lys Glu Pro Thr Glu Lys Thr Pro Pro Thr Pro 210 215 220 Gln Pro Ser Cys Asn Gly Asp Ser Asn Arg Thr Lys Asp Ile Lys Glu 225 230 235 240 Glu Thr Pro Asp Ser Thr Glu Ser Pro Ala Glu Asp Gly Ala Gly Arg 245 250 255 Ser Pro Leu Pro Cys Pro Ser Leu Cys Glu Leu Leu Ala Ser Thr Ala 260 265 270 Val Lys Leu Cys Leu Gly His Asp Arg Ile His Met Ala Phe Ala Pro 275 280 285 Val Thr Pro Ala Leu Pro Ser Asp Asp Arg Ile Thr Asn Ile Leu Asp 290 295 300 Ser Ile Ile Ala Gln Val Val Glu Arg Lys Ile Gln Glu Lys Ala Leu 305 310 315 320 Gly Pro Gly Leu Arg Ala Gly Ser Gly Leu Arg Lys Gly Leu Ser Leu 325 330 335 Pro Leu Ser Pro Val Arg Thr Arg Leu Ser Pro Pro Gly Ala Leu Leu 340 345 350 Trp Leu Gln Glu Pro Arg Pro Lys His Gly Phe His Leu Phe Gln Glu 355 360 365 His Trp Arg Gln Gly Gln Pro Val Leu Val Ser Gly Ile Gln Lys Thr 370 375 380 Leu Arg Leu Ser Leu Trp Gly Met Glu Ala Leu Gly Thr Leu Gly Gly 385 390 395 400

correctSEQ.txt Gln Val Gln Ser Leu Thr Ala Leu Gly Pro Pro Gln Pro Thr Asn Leu Asp Ser Thr Ala Phe Trp Glu Gly Phe Ser His Pro Glu Thr Arg Pro Lys Leu Asp Glu Gly Ser Val Leu Leu Leu His Arg Thr Leu Gly Asp 435 440 445 Lys Asp Ala Ser Arg Val Gln Asn Leu Val Ser Ser Leu Pro Leu Pro Glu Tyr Cys Ala His Gln Gly Lys Leu Asn Leu Ala Ser Tyr Leu Pro Leu Gly Leu Thr Leu His Pro Leu Glu Pro Gln Leu Trp Ala Ala Tyr Gly Val Asn Ser His Arg Gly His Leu Gly Thr Lys Asn Leu Cys Val Glu Val Ser Asp Leu Ile Ser Ile Leu Val His Ala Glu Ala Gln Leu Pro Pro Trp Tyr Arg Ala Gln Lys Asp Phe Leu Ser Gly Leu Asp Gly 530 540 Glu Gly Leu Trp Ser Pro Gly Ser Gln Thr Ser Thr Val Trp His Val Phe Arg Ala Gln Asp Ala Gln Arg Ile Arg Arg Phe Leu Gln Met Val 565 570 575 Cys Pro Ala Gly Ala Gly Thr Leu Glu Pro Gly Ala Pro Gly Ser Cys 580 585 590 Tyr Leu Asp Ala Gly Leu Arg Arg Leu Arg Glu Glu Trp Gly Val
595 600 605 Ser Cys Trp Thr Leu Leu Gln Ala Pro Gly Glu Ala Val Leu Val Pro 610 620 Ala Gly Ala Pro His Gln Val Gln Gly Leu Val Ser Thr Ile Ser Val Thr Gln His Phe Leu Ser Pro Glu Thr Ser Ala Leu Ser Ala Gln Leu

Cys His Gln Gly Ala Ser Leu Pro Pro Asp His Arg Met Leu Tyr Ala 660 665 670

Gln Met Asp Arg Ala Val Phe Gln Ala Val Lys Ala Ala Val Gly Ala 675 680 685

Leu Gln Glu Ala Lys

<210> 18 <211> 693 <212> PRT <213> C-terminal portion of hairless protein of mouse (HRt) having amino acid residues 490 to 1182

<400> 18

gttacccagt	gccaaagctg	tgtccaggca	gctggagagg	taggggtact	gaccggccac	60
tcccagaaat	cacgtaggtc	acccctggaa	gagaagcagt	tggaggagga	ggattcctct	120
gccacttccg	aagaaggagg	aggagggcct	ggcccagaag	cttcactcaa	caagggcctg	180
gccaagcacc	tgctgagtgg	tttgggggac	cgactctgcc	gcctgctgcg	gaaggagcgg	240
gaggcccttg	cctgggcaca	gcgagaaggc	caggggccag	ccatgacaga	ggacagccca	300
ggcattccac	attgctgcag	ccgatgccac	cacggactct	tcaacaccca	ctggagatgt	360
tcccactgta	gccaccggct	gtgtgtagcc	tgtggtcgca	tagccggcgc	tggaaagaac	420
agggagaaaa	caggttctca	ggaacagcac	acagatgact	gcgcccagga	ggctgggcat	480
gctgcctgtt	ccctgatcct	gacccagttt	gtctccagcc	aggcgctggc	agaactgagc	540
actgtgatgc	accaagcctg	ggccaagttt	gacattcggg	ggcactgttt	ctgccaggtt	600
gatgcccgtg	tgtgggcccc	cggggatggg	ggtcagcaga	aggaaccaac	agagaaaact	660
ccccaactc	cacaaccttc	ctgcaatgga	gattccaatc	ggaccaagga	catcaaagaa	720
gagaccccag	actccactga	gagcccagca	gaggacggtg	ctggccggtc	accccttcct	780
tgtccctctc	tctgtgagct	gctagcctct	actgctgtca	aactctgcct	ggggcatgac	840
cggattcaca	tggcctttgc	tccggtcacc	ccagctctgc	ccagtgatga	ccgcattacc	900
aacatcctgg	acagcattat	tgcgcaggta	gtagaacgga	agatccaaga	gaaagccctg	960
gggccaggcc	tgcgagcagg	gtcaggctta	cgcaagggcc	tgagccttcc	attgtcacca	1020
gtgcgaaccc	ggctgtctcc	tcctggagct	ttgctgtggc	tgcaggagcc	taggcctaag	1080
catggcttcc	atctcttcca	ggaacactgg	cggcagggcc	agcccgtgtt	agtgtcaggc	1140
atccagaaga	cattgagact	tagcctgtgg	ggaatggaag	cccttgggac	acttggtggc	1200
caggtgcagt	cactgactgc	ccttgggcct	ccccagccca	cgaacctgga	cagcacagca	1260

correctSEO.txt	
ttctgggagg gattctctca tcctgagaca cgtccaaagt tagatgaggg ctctgtcctc	1320
ctgctacacc gaaccctggg ggataaggac gctagcaggg tgcagaacct tgtctccagc	1380
cttccactcc cagaatactg tgcccaccaa gggaaactca acctagcgtc ctacctcccc	1440
ctgggcctca cactgcatcc actggagccc cagctctggg cggcctatgg tgtgaactca	1500
caccgtggac acctggggac caagaatcta tgcgtggagg tgtctgacct aatcagtatc	1560
ctggtgcacg ccgaggccca gctgcctccc tggtatcgag cacagaaaga tttcctctca	1620
ggcctggatg gggaaggact ctggtctcca gggagccaga ccagcactgt gtggcatgtg	1680
ttccgggccc aggatgccca gcgcatccgt cgctttctcc agatggtgtg cccagctgga	1740
gcaggaacct tggagcctgg tgccccaggc agctgctact tggatgcagg gttgcgccga	1800
cggctaagag aagagtgggg tgtgagctgc tggaccctgc tgcaggctcc tggggaagcg	1860
gtgctggtcc cggctggggc gccccatcag gtgcagggcc tggtgagcac aatcagtgtc	1920
actcagcact ttctgtctcc tgagacctct gccctctctg ctcagctctg ccaccaggga	1980
gccagcctac cccctgacca ccgtatgctt tatgcccaga tggaccgggc tgtgttccaa	2040
gcagtaaagg cggctgtggg ggcgttacag gaagctaaa	2079
<210> 19 <211> 30 <212> DNA <213> Oligonucleotide primer <400> 19	
ccggaattcg tcacccagtg ccaaagctgt	30
<210> 20 <211> 49 <212> DNA <213> Oligonucleotide primer	
<400> 20 cgggatcctc tagagcggcc gcttattatt tagcttcctg taacgcccc	49